

Title (en)
DEFLECTION CORRECTION

Title (de)
ABLENKKORREKTUR

Title (fr)
CORRECTION DE LA DEVIATION

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Abstract (en)
[origin: WO9613118A1] In the market there is a tendency towards picture tubes with a super flat screen. Due to the flat screen it is becoming increasingly difficult to meet the even tighter specification on North/South raster distortion (N/S distortion), the tighter specification being caused by a growing importance of text display and high resolution displays. The invention describes a deflection correction circuit, which compensates for a N/S distortion by inducing a correction current (I_{cv}) through a vertical deflection coil (L_v). The correction current (I_{cv}) can be injected in the vertical deflection coil (L_v) via an injection transformer (Ti) coupled in series with the vertical deflection coil (L_v). The injection transformer (Ti) is driven via an output stage (3) by a wave shape generator (1, 2). The wave shape generator (1, 2) generates a voltage waveform (M) built up out of substantially straight line sections. The deflection coil (L_v) integrates the voltage waveform (M) into a current waveform (I_{cv}) having substantially parabolic sections. Such an inexpensive and flexible deflection correction circuit can be used to compensate for top/bottom and/or seagull N/S distortion, or for correction of convergence distortions. The deflection correction circuit can be a discrete or an integrated circuit.

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